IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Vicente V. Cavanna et al.

Serial No.:   **Examiner:** Unassigned

Filing Date: Herewith   **Group Art Unit:** N/A

Title: METHODS FOR COMPUTING THE CRC OF A MESSAGE FROM THE INCREMENTAL CRCs OF COMPOSITE SUB-MESSAGES

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(X)   under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( )   under 37 CFR 1.97(c) together with either a:
( )   Statement under 37 CFR 1.97(e), or
( )   a $180.00 Processing fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( )   under 37 CFR 1.97 (d) together with a:
( )   Statement under 37 CFR 1.97(e), and
( )   a $180.00 processing fee under 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of $0.00____. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.
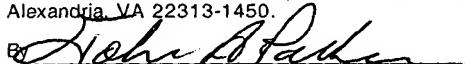
( )   Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (*) were disclosed in Patent Application No._____ filed _____, now U. S. Patent No. _____, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

( )   A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. **EV 326 526 208 US**

Date of Deposit **Sept. 22, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By _____

Typed Name: **John A. Parker**

Respectfully submitted,

Vicente V. Cavanna et al.

By _____

Jeff A. Holmen

Attorney/Agent for Applicant(s)
Reg. No.   **38,492**

Date: **Sept. 22, 2003**

Telephone No.: **(612) 573-0178**

Rev. 05/03 (IDSXML)

FORM PTO-1449	ATTY. DOCKET NO.	SERIAL NO.
	10030875-1	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT	
	Vicente V. Cavanna et al.	
(Use several sheets if necessary)	FILING DATE	GROUP
	Herewith	N/A

REFERENCE DESIGNATION   U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		Ross Williams, "A PAINLESS GUIDE TO CRC ERROR DETECTION ALGORITHMS," Internet . Publication, August 1993, available at ftp://ftp.rocksoft.com/papers/crc_v3.txt. (35 pgs.)
		R. Stewart et al. "Stream Control Transmission Protocol", Internet Engineering Task Force (IETF) Publication, October 2000, available at www.ietf.org. (126 pgs.)
		J. Stone et al., "Stream Control Transmission Protocol (SCTP) Checksum Change", Internet Engineering Task Force (IETF) Publication, September 2002, available at www.ietf.org. (16 pgs.)

EXAMINER	DATE CONSIDERED

* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		D. Sheinwald et al., "Internet Protocol Small Computer System Interface (iSCSI) Cyclic Redundancy Check (CRC)/Checksum Considerations", Internet Engineering Task Force (IETF) Publication available at www.ietf.org. (22 pgs.)
		Data Integrity PowerPoint presentation, slides 1-39 entitled "iSCSI-R Data Integrity", Jim Wendt et al., Version 2, October 7, 2002.

EXAMINER	DATE CONSIDERED

* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)